Acta

OTO-LARYNGOLOGICA

Vol. 106 · JULY–DECEMBER 1988 · No. 1–6

EDITORS:

B. DRETTNER

HUDDINGE · SWEDEN

ASSOCIATE EDITOR:

C.-M. ENEROTH

LUND · SWEDEN

EDITORIAL BOARD:

DENMARK: P. BRETLAU · O. ELBRØND · K. JØRGENSEN · H. SØRENSEN · M. TOS

FINLAND: P. KARMA · J. KÄRJÄ · A. PALVA · T. PALVA · E. VIROLAINEN

NORWAY: G. DJUPESLAND · I. MAIR · J. OLOFSSON · F. WINTHER

SWEDEN: M. ANNIKO · E. BORG · B. DRETTNER · C. M. ENEROTH

O. HALLÉN · P.-G. LUNDQUIST · J. STAHLE · N. G. TOREMALM · J. WERSÄLL

ACTA OTO-LARYNGOLOGICA 106, 1–6, 1988 · KAROLINSKA SJUKHUSET, S-104 01 STOCKHOLM

Index

Vol. 106, No. 1–2, 1988

Jonsson, L., Sundqvist, V.-A. and *Thomander, L.* (Uppsala, Sweden): Anti-herpes IgG and IgG Subclass Antibodies in Bell's Palsy 1

Goldie, P. and *Hellström, S.* (Umeå, Sweden): Autonomic Nerves and Middle Ear Fluid Production . 10

Bagger-Sjöbäck, D., Engström, B. and *Hillerdal, M.* (Stockholm, Sweden): Membrane Specializations in the Human Organ of Corti 19

Juiz, J. M., Rueda, J. and *Merchán, J.* (Alicante, Spain): Reversible Damage to the Nerve Fibres in the Organ of Corti after Surgical Opening of the Cochlea in the Rat 29

Laugel, G. R., Wright, J. W. and *Dengerink, H. A.* (Pullman, WA, USA): Angiotensin II and Progesterone Effects on Laser Doppler Measures of Cochlear Blood Flow 34

Bates, G. J. E. M., O'Donoghue, G. M., Anslow, P. and *Houlding, T.* (Oxford, England): Can C. T Detect Labyrinthine Fistulae Pre-operatively? . . 40

Keithley, E. M., Sharp, P., Woolf, N. K. and *Harris, J. P.* (San Diego, CA, USA): Temporal Sequence of Viral Antigen Expression in the Cochlea Induced by Cytomegalovirus 46

Okuno, H. and *Sando, I.* (Pittsburgh, PA, USA): Anatomy of the Round Window 55

Conlee, J. W., Abdul-Baqi, K. J., McCandless, G. A. and *Creel, D. J.* (Salt Lake City, Utah, USA): Effects of Aging on Normal Hearing Loss and Noise-induced Threshold Shift in Albino and Pigmented Guinea Pigs 64

Wikström, S. O., Anniko, M., Thornell, L.-E. and *Virtanen, I.* (Stockholm, Sweden): Developmental Stage-dependent Pattern of Inner Ear Expression of Intermediate Filaments 71

Fredelius, L., Rask-Andersen, H., Johansson, B., Urquiza, R., Bagger-Sjöbäck, D. and *Wersäll, J.* (Stockholm, Sweden): Time Sequence of Degeneration Pattern of the Organ of Corti after Acoustic Overstimulation 81

Sipilä, M., Karma, P., Pukander, J., Timonen, M. and *Kataja, M.* (Tampere, Finland): The Bayesian Approach to the Evaluation of Risk Factors in Acute and Recurrent Acute Otitis Media 94

Segal, B. N. and *Katsarkas, A.* (Montréal, Canada): Long-term Deficits of Goal-directed Vestibulo-ocular Function following Total Unilateral Loss of Peripheral Vestibular Function 102

Rosenhall, U., Hanner, P. and *Kaijser, B.* (Göteborg, Sweden): Borrelia Infection and Vertigo . . 111

Arrer, E., Oberascher, G. and *Gibitz, H.-J.* (Salzburg, Austria): Protein Distribution in the Human Perilymph 1

Usami, S., Igarashi, M., Ishii, M. and *Hozawa, J.* (Hirosaki, Japan): Unidirectional Vestibular Habituation in the Squirrel Monkey 12

Takumida, M., Wersäll, J. and *Bagger-Sjöbäck, D.* (Hiroshima, Japan): Stereociliary Glycocalyx and Interconnections in the Guinea Pig Vestibular Organs 13

Bomholt, A. (Hellerup, Denmark): Laryngeal Papillomas with Adult Onset 14

Lund, V. J., Harvey, W., Meghji, S. and *Haris, M.* (London, England): Prostaglandin Synthesis in the Pathogenesis of Fronto-ethmoidal Mucoceles . . . 14

Eccles, R., Morris, S. and *Tolley, N. S.* (Cardiff, Wales, U.K.): The Effects of Nasal Anaesthesia upon Nasal Sensation of Airflow 15

Petruson, B., Hansson, H.-A. and *Petruson, K.* (Göteborg, Sweden): Insulin-like Growth Factor I Is a Possible Pathogenic Mechanism in Nasal Polyps 15

Vol. 106, No. 3–4, 1988

Cho, Y. B. and *Kitamura, K.* (Chonnam, Korea): Short-term Effects of Iontophoresis on the Structure of the Guinea Pig Tympanic Membrane . . . 16

Jacobsson, S., Rignér, P., von Sydow, C. and *Bondesson, G.* (Gothenburg, Sweden): Recurrent and Penicillin V-resistant Otitis Media 17

Casselbrant, M. L., Cantekin, E. I., Dirkmaat, D. C., Doyle, W. C. and *Bluestone, C. D.* (Pittsburgh, PA, USA): Experimental Paralysis of Tensor Veli Palatini Muscle 17

Åberg, B., Jontell, M. and *Edström, S.* (Göteborg, Sweden): Analysis of Class II Antigen Expressing Cells in Cholesteatoma Epithelium 18

Yokoyama, K., Hasegawa, M., Kobayashi, N. and *Tamura, T.* (Tokyo, Japan): Observations on Cochlear Blood Flow Using the Laser Doppler Method in Guinea Pigs 19

Kikuchi, T., Tonosaki, A. and *Takasaka, T.* (Sendai, Japan): Deveopment of Apical-surface Structures of Mouse Otic Placode 200

Anniko, M., Wenngren, B.-I. and *Wróblewski, R.* (Umeå, Sweden): Aberrant Elemental Composition of Otoconia in the Dancer Mouse Mutant with a Semidominant Gene Causing a Morphogenetic Type of Inner Ear Defect 208

Ross, M. D. (Moffet Field, CA, USA): Morphological Evidence for Parallel Processing of Information in Rat Macula 213
Dulon, D., Aurousseau, C., Erre, J.-P. and *Aran, J.-M.* (Bordeaux, France): Relationship between the Nephrotoxicity and Ototoxicity Induced by Gentamicin in the Guinea Pig 219
Takumida, M., Bagger-Sjöbäck, D., Rask-Andersen, H. and *Harada, Y.* (Stockholm, Sweden): Intracellular Changes in the Endolymphatic Sac after Labyrinthectomy 226
Wenngren, B.-I. and *Anniko, M.* (Umeå, Sweden): A Frequency-specific Auditory Brainstem Response Technique Exemplified in the Determination of Age-related Auditory Thresholds 238
Hirsch, A. and *Norén, G.* (Stockholm, Sweden): Audiological Findings after Stereotactic Radiosurgery in Acoustic Neurinomas 244
Allum, J. H. J., Keshner, E. A., Honegger, F. and *Pfaltz, C. R.* (Basle, Switzerland): Indicators of the Influence a Peripheral Vestibular Deficit Has on Vestibulo-spinal Reflex Responses Controlling Postural Stability 252
Davidson, J., Wright, G., McIlmoyl, L., Canter, R. J. and *Barber, H. O.* (Toronto, Canada): The Reproducibility of Caloric Tests of Vestibular Function in Young and Old Subjects 264
Khalsa, S. B. S., Tomlinson, R. D. and *Schwarz, D. W.* (Vancouver, Canada): Secondary Vestibular and Neck Position Signals in the Vestibular Nuclei of Alert Rhesus Monkeys Performing Active Head Movements 269
Gavilán, C., Gavilán, J., Rashad, M. and *Gavilán, M.* (Madrid, Spain): Discriminant Analysis in Predicting Prognosis of Bell's Palsy 276
Passàli, D. and *Bellussi, L.* (Rome, Italy): Circadian Changes in the Secretory Activity of Nasal Mucosa 281
Norén, F., Björnek, K., Klint, T. and *Wagner, Z. G.* (Helsingborg, Sweden): A Comparative Distribution Study of Two Procedures for Administration of Nose Drops 286
Nishimoto, K., Ukai, K., Harada, T., Jin, C. S. and *Sakakura, Y.* (Tsu, Japan): Lymphocyte Subsets of Maxillary Mucosa in Chronic Inflammation . . 291
Johansson, P. and *Kumlien, J.* (Huddinge, Sweden): Blood Flow in the Rabbit Maxillary Sinus Mucosa during Experimentally Induced Acute Sinusitis . . 299
Meijer, J. W. R., Ramaekers, F. C. S., Manni J. J., Slooff, J. J. L., Aldeweireldt, J. and *Vooys, G. P.* (Nijmegen, The Netherlands): Intermediate Filament Proteins in Spindle Cell Carcinoma of the Larynx and Tongue 306
Nilsson, M. E., Isberg, A. and *Schiratzki, H.* (Östersund, Sweden): The Hypopharyngeal Diverticulum 314

Vol. 106, No. 5–6, 1988

Lutgert, H. W., van Blitterswijk, C. A. and *Grote, J. J.* (Leiden, The Netherlands): Primary Aquired and Recurrent Cholesteatoma *versus* Residual Cholesteatoma 321
Högset, O. and *Bredberg, G.* (Stockholm, Sweden): Plaster of Paris and Hair Cell Morphology 331
Clarke, A. H., Scherer, H. and *Schleibinger, J.* (Berlin, FRG): Body Position and Caloric Nystagmus Response 339
Takahashi, M., Hoshikawa, H., Tsujita, N. and *Akiyama, I.* (Tokyo, Japan): Effect of Labyrinthine Dysfunction upon Head Oscillation and Gaze during Stepping and Running 348
Carlsson, J. and *Rosenhall, U.* (Göteborg, Sweden): Oculomotor Disturbances in Patients with Tension Headache 354
Bergenius, J. and *Magnusson, M.* (Stockholm, Sweden): The Relationship between Caloric Response, Oculomotor Dysfunction and Size of Cerebellopontine Angle Tumours 361
Böhmer, A. (Zürich, Switzerland): The Preyer Reflex—An Easy Estimate of Hearing Function in Guinea Pigs 368
Fredelius, L. (Stockholm, Sweden): Time Sequence of Degeneration Pattern of the Organ of Corti after Acoustic Overstimulation. A Transmission Electron Microscopy Study 373
Wenngren, B.-I. and *Anniko, M.* (Umeå, Sweden): Age-related Auditory Brainstem Response (ABR) Threshold Changes in the Dancer Mouse Mutant . 386
Bagger-Sjöbäck, D. and *Takumida, M.* (Stockholm, Sweden): Geometrical Array of the Vestibular Sensory Hair Bundle 393
Larsen, H. C., Albers, F., Jansson, B., Angelborg, C. and *Veldman, J.* (Uppsala, Sweden): Cochlear Blood Flow in Endolymphatic Hydrops 404
Takahashi, M. and *Harris, J. P.* (San Diego, CA, USA): Anatomic Distribution and Localization of Immunocompetent Cells in Normal Mouse Endolymphatic Sac 409
Takumida, M., Bagger-Sjöbäck, D. and *Rask-Andersen, H.* (Stockholm, Sweden): Cytochemical Identification of Secreted Carbohydrates in the Endolymphatic Sac 417
van der Baan, S., Seldenrijk, C. A., Henzen-Logmans, S. C. and *Drexhage, H. A.* (Amsterdam, the Netherlands): Serous Otitis Media and Immunological Reactions in the Middle Ear Mucosa . . . 428
Stenfors, L. E. and *Räisänen, S.* (Kokkola, Finland): Quantification of Bacteria in Middle Ear Effusions 435
Lidén, M., Flodström, A. and *Thore, M.* (Västerås, Sweden): Treatment of Early Recurrences of Acute Purulent Otitis Media; Value of Myringotomy 441

Kurita, N., Hasegawa, M., Ohki, M. and *Watanabe, I.* (Tokyo, Japan): Nasal Resistance and Nasal Blood Flow in Postural Changes 448

Sjögren, I., Jonsson, L., Köling, A., Jansson, C., Osterman, K. and *Håkansson, B.* (Uppsala, Sweden): The Effect of Ipratropium Bromide on Nasal Hypersecretion Induced by Methacholine in Patients with Vasomotor Rhinitis . . . . . .

Johansson, P., Kumlien, J., Söderlund, K. and *Hultman, E.* (Huddinge, Sweden): Experimental Acute Sinusitis in Rabbits . . . . . .

Gramming, P. and *Åkerlund, L.* (Malmö, Sweden): Non-organic Dysphonia. I. Phonetograms for Normal and Pathological Voices . . . . . .

SUPPLEMENTS PUBLISHED 1988

443. R. Takahashi: The Formation of the Nasal Septum and the Etiology of Septal Deformity. The Concept of Evolutionary Paradox.
444. A. Wright, A. Davis, G. Bredberg, L. Ulehlova and H. Spencer in collaboration with G. Bock, H. Felix, S. Iurato, L.-G. Johnsson and M. Pauler: Hair Cell Distributions in the Normal Human Cochlea.
445. K.-F. Hamann and J. Lannou: Dynamic Characteristics of Vestibular Nuclear Neurons Responses to Vestibular and Optokinetic Stimulation during Vestibular Compensation in the Rat.
446. Recent Advances in Facial Nerve Research in Japan. Selected Papers from an Epidemiological and Clinical Study on Idiopathic Facial Palsy in Japan. Edited by Y. Koike.
447. Twenty years of the Otological Research Laboratory, Baylor College of Medicine. Scientific Papers Dedicated to Professor Makoto Igarashi, Director. Edited by: T. Matsunaga, J. Kanzaki, M. Takahashi.
448. G. M. Clark, R. K. Shepherd, B. K.-H. Franz, R. Webb, B. C. Pyman, J. McNaughtan, D. M. Bloc B. A. Kakulas and S. Siejka: The Histopathology the Human Temporal Bone and Auditory Cen Nervous System Following Cochlear Implantatio a Patient. Correlation with Psychophysics Speech Perception Results.
449. Transactions of the XXIIIrd Congress of the Scan navian Oto-Laryngological Society. Edited by C. Lindholm and H. Lindholm.
450. Y. Suzuka and H. F. Schuknecht: Retrograde Co lear Neuronal Degeneration in Human Subjects.
451. K. B. Hüttenbrink: The Mechanics of the Mid Ear at Static Air Pressures. The Role of the Ossi lar Joints, the Function of the Middle-Ear Mus and the Behavior of Stapedial Prostheses.

SUPPLEMENTS IN PRESS

Scandinavian Workshop in Skull Base Surgery. Selected Papers on Acoustic Tumour Diagnosis and Treatment, Linköping, Sweden 1986. Edited by P.-G. Lundquist.

P. Silvoniemi: Vestibular Neuronitis. An Otoneurological Evaluation.

International Symposium on Tonsils. Kyoto, Japan, October 8–9, 1987. Edited by T. Tabata.

Diagnosis and Treatment of Patients with Vertigo. Proceedings of the Swedish Vestibular Society's Meeting, Åre, Sweden, 1987. Edited by J. Bergenius and C. Wennmo.

Advances in Modern Otolaryngology. Commemoration of the 10th Anniversary of Professor Masaru Ohyama, Taking His Post with Department of Otolaryngology, Ka shima University School of Medicine. Edited by S. H uta, Y. Hanamure, K. Fukuda and K. Fukami.

Acute Profound Deafness. Edited by Y. Nomura.

Morphometric Analysis of the Human Endolymph Sac. F. R. Galey, F. H. Linthicum, T. Durko, S. Ros blatt, G. Motta and M. Praterelli.

Interactions between the Middle Ear and the Inner E Edited by M. Anniko.

Ca^{++} and the Vestibular System. Symposium Organi by the Janssen Research Council, Beerse, Belgium, A 28–29, 1988. Edited by W. J. Oosterveld and B. Ho berth. Co-editor L. I. Caers.

Printed in Sweden by Almqvist & Wiksell Tryckeri, Uppsala 1988